

EMILY S. WINN-DEEN, Ph.D.
Roche Molecular Systems
4300 Hacienda Drive
Pleasanton, CA 94588

EDUCATION:

B.S. in Chemistry, Lehigh University, Bethlehem, PA, 1974
Ph.D. in Chemistry, Boston University, Boston, MA, 1978

EMPLOYMENT:

Roche Molecular Systems **2002-present**
Pleasanton, CA

SENIOR DIRECTOR Genomics Business

Celera Genomics Division of Applera Corporation **1998-2002**
Rockville, MD

DIRECTOR Single Nucleotide Polymorphism (SNP) R&D

Oncor Inc. **1996-1998**
Gaithersburg, MD

DIRECTOR Diagnostics Research and Development

Applied Biosystems Division of Applera Corporation **1989-1996**
Foster City, CA

SENIOR STAFF SCIENTIST Science and Technology/Microgenetics
(1995-1996)

**STAFF SCIENTIST/
GROUP LEADER** Diagnostics Venture/Human Genetic Analysis
(1989-1995)

Ciba Corning Diagnostics Corp. **1988-1989**
Palo Alto, CA

**SENIOR BIOTECHNOLOGY
DEVELOPMENT SCIENTIST** Product Development
Electrophoresis Systems

SDI Diagnostics, Inc. **1987-1988**
San Diego, CA

DIRECTOR Reagent R&D

**Behring Diagnostics
La Jolla, CA**

1980-1987

MANAGER

R&D Projects & Administration
Chemistry/Immunology R&D
(1986-1987)

MANAGER

Clinical Chemistry R&D
(1983-1986)

GROUP LEADER

Clinical Chemistry R&D
(1980-1983)

**Ames Division of Miles Laboratories
Elkhart, IN**

1978-1980

RESEARCH SCIENTIST

Blood Chemistry R&D
(1979-1980)

**SENIOR ASSOCIATE
RESEARCH SCIENTIST**

Blood Chemistry R&D
(1978-1979)

**Boston University
Boston, MA**

1974-1978

RESEARCH ASSISTANT

Chemistry Department
(1975-1978)

TEACHING ASSISTANT

Chemistry Department
(1974-1975)

**Princeton University
Princeton, NJ**

1972-1974

RESEARCH ASSISTANT

Biochemistry Department
(1972-1974, summers)

FUNDED GRANT SUPPORT

NIH Pre-doctoral Fellowship (HL-15535) (100%), Structure and Function of Human Plasminogen, Richard Laursen, Boston University, Principal Investigator (1975-1978)

Co-investigator (100%), NIST-ATP Grant, Real-Time Micro-PCR Analysis System, Michael Albin, PE Applied Biosystems, Principal Investigator (1995-1996)

Collaborator (15%), NCI SBIR Phase I Grant, Rare Target Screening for Early Diagnosis of Lung Cancer, Sandra Randall Woodgate, Oncor, Inc., Principal Investigator (1997-1998)

Collaborator (15%), NIAID SBIR Phase I Grant, Cascade Rolling Circle Amplification for DNA Diagnostics, David C. Thomas, Oncor, Inc., Principal Investigator (1997-1998)

Collaborator (10%), NIH SBIR Phase II Grant, Simultaneous Amplification and Detection of DNA, Irina Nazarenko, Oncor, Inc., Principal Investigator (1998-2000)

Principal Investigator, NCI SBIR Phase I Grant, Prostate Cancer Assay for Methylation Status of GST- π , (1998-1999)

Principal Investigator, U.S. Army Medical Research Grant, Development of an Assay for Prostate Cancer Based on Methylation Status of Glutathione S-Transferase- π , (1998-2000)

Collaborator (10%), NCI SBIR Phase II Grant Application, Rare Target Screening for Early Diagnosis of Lung Cancer, Sandra Randall Woodgate, Oncor, Inc., Principal Investigator (1998-2000)

Collaborator (15%), NIAID SBIR Phase II Grant Application, Cascade Rolling Circle Amplification for DNA Diagnostics, David C. Thomas, Oncor, Inc., Principal Investigator (1998-2000)

Principal Investigator, Genomics Core, NHLBI Program Project Grant, Autonomic Pharmacodynamic Pharmacogenomics, Daniel O' Conner, University of California, San Diego, Principal Investigator, (2001-2002)

PROFESSIONAL ACTIVITIES:

- *Member, American Association for Clinical Chemistry (AACC), American Chemical Society (ACS), American Society for Human Genetics (ASHG), American Association for the Advancement of Science (AAAS)
- *Advisor, *Women in Science Program*, San Diego State University, 1982-1983
- *Alternate Councilor, San Diego Section of the AACC, 1984
- *Advisor, *Educational Bridges to Options in High Technology Employment*, San Diego State University, 1984-1985
- *Annual Symposium Chair, *Gene Probe Technology: From Theory to Practice*, San Diego Section of the AACC, 1986
- *Vice-Chair, San Diego Section of the AACC, 1987
- *Program Chair, *Gene Probe Technology II: The San Diego Conference*, 1987
- *Chair, San Diego Section of the AACC, 1988
- *Conference Committee, *The San Diego Conference: Practical Aspects of Molecular Probes*, San Diego Section of the AACC, 1988
- *Conference Committee, *Chemical Approaches to Infectious Disease Diagnosis*, Northern California Section of the AACC, 1989-1991
- *Chair, Molecular Pathology Division, AACC, 1989-1992
- *Newsletter Editor, Molecular Pathology Division, AACC, 1989-1998
- *Conference Committee, *The San Diego Conference on Nucleic Acids*, Molecular Pathology Division/San Diego Section of the AACC, 1991-1995
- *Conference Committee, *Pacificchem '92: Tumor Markers*, Northern California Section of the AACC, 1992
- *ACCENT Officer, Northern California Section of the AACC, 1992
- *Conference Committee, *Pacificchem '93*, Northern California Section of the AACC, 1993
- *Secretary, Northern California Section of the AACC, 1993
- *Member, NCCLS Subcommittee on Molecular Genetics, 1993-2000
- *Nominating Committee Chair, Northern California Section of the AACC, 1995
- *Sterling's Who's Who Executive Edition, 1995-present
- *Editorial Board, *Molecular Diagnosis*, 1995-1998
- *EduTrak Co-chair, 1997 AACC Annual Meeting Organizing Committee
- *Nominating Committee Chair, Molecular Pathology Division, AACC, 1998
- *Planning Group Member, National Cancer Institute's Translating Technologies Workshop, 1998-1999
- *Panel Member and Advisor, National Cancer Institute's Early Detection Research Network, 1999-present
- *Member, AACC Task Force on the San Diego Conference, 1999
- *Member, AACC Oak Ridge Conference Organizing Committee, 1999-2000
- *Member, AACC Pharmacogenomics Committee, 1999-2001
- *AACC Representative to the SACGT Working Group on Genetic Test Classification, 2000
- *AACC Representative to the CDC Genetic Testing Lab Forum, 2000
- *AACC Representative to the CLIAC Advisory Committee on Genetic Testing, 2000
- *Chair, AACC Oak Ridge Conference Organizing Committee, 2001-2004
- *Editorial Board, *Journal of the Clinical Ligand Assay Society*, 2001-present
- *Proteomics EduTrak Chair, 2002 AACC Annual Meeting

- *Member, Public Policy Subcommittee, Roche Joint Program in Applied Genomics. 2002-present
- *Observer, NCCLS Subcommittee on Determining Clinical Utility of Genetic Tests, 2002-present
- *Member, HHS Secretary's Advisory Committee on Genetics, Health, and Society, 2003-present

PROFESSIONAL AWARDS

- **Customer Acceptance Award*, Behring Diagnostics, 1981
- **Behring Award*, Behring Diagnostics, 1985
- **Harold Van Remortel Service Award*, Northern California Section of the AACC, 1993
- **Outstanding Speaker Award*, American Association for Clinical Chemistry, 1997
- **Fellow*, National Academy of Clinical Biochemistry, elected in 2000
- **Inventor Award*, Applera Corporation, April 2001